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PATENT

Case Docket No. SNAPA.037A
Date: April 24, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Thomas R. Ulrich et al.
Appl. No. : 10/060,863
Filed : January 29, 2002
For : ENHANCED DISK ARRAY
Examiner : Unknown
Group Art Unit: 2176

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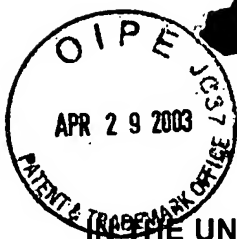
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Supplemental Information Disclosure Statement.
- (X) A PTO Form 1449 with five (5) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

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SNAPA.037A



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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office
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Dear Sir:

Enclosed is form PTO-1449 listing five (5) references that are also enclosed. This Supplemental Information Disclosure Statement is being filed before the mailing date of a final action under 37 C.F.R. § 1.113 and before the mailing date of a Notice of Allowance under § 1.311. A certification under 37 C.F.R. § 1.97(e) is set forth below. Thus, no fee is required as set forth below in 37 C.F.R. § 1.97(c).

CERTIFICATION UNDER 37 C.F.R. § 1.97(e)(1)


I hereby certify that each item of information contained in this Statement was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than 30 days prior to the filing of this Second Supplemental Information Disclosure Statement. A copy of the International Search Report is enclosed.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 4/24/03

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SNAPA.037A	APPLICATION NO. 10/060,863
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Thomas R. Ulrich et al.	
		FILING DATE January 29, 2002	GROUP 2176

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
		4,837,680	06/06/89	Crockett et al.			RECEIVED
		5,566,331	10/15/96	Irwin, Jr. et al.			MAY 02 2003
		5,907,672	05/25/99	Matze et al.			Technology Center 2100
		5,931,947	08/03/99	Burns et al.			
		5,974,503	10/26/99	Venkatesh et al.			

FOREIGN PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	